WEST

Generate Collection Print

L1: Entry 1 of 2 File: DWPI Apr 9, 2003

DERWENT-ACC-NO: 1998-349826
DERWENT-WEEK: 200325

TITLE: Synergistic fungicide combination for plant protection - comprising 4,6-di:phenoxy-5-fluoro-pyrimidine derivative and, e.g. tebuconazole, triadimenol, mancozeb, folpet or metalaxyl

INVENTOR: DUTZMANN, S; HEINEMANN, U ; STENZEL, K

PRIORITY-DATA: 1997DE-1005159 (February 11, 1997), 1996DE-1051217 (December 10, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 944318 B1	April 9, 2003	G	000	A01N043/88
DE 19739982 A1	June 18, 1998		045	A01N043/88
WO 9825465 A1	June 18, 1998	G	000	A01N043/88
ZA 9711024 A	August 26, 1998		067	A01N000/00
AU 9856559 A	July 3, 1998		000	A01N043/88
CZ 9902086 A3	September 15, 1999		000	A01N043/88
EP 944318 A1	September 29, 1999	G	000	A01N043/88
CN 1239866 A	December 29, 1999		000	A01N043/88
BR 9714390 A	May 16, 2000		000	A01N043/88
HU 200000504 A2	June 28, 2000		000	A01N043/88
US 6191128 B1	February 20, 2001		000	A61K031/535
AU 729713 B	February 8, 2001		000	A01N043/88
MX 9905065 A1	January 1, 2000		000	A01N043/88
KR 2000069059 A	November 25, 2000		000	A01N043/88
JP 2001505886 W	May 8, 2001		059	A01N043/88
US 6303598 B1	October 16, 2001		000	A61K031/535
US 6372737 B1	April 16, 2002		000	A01N043/40
RU 2192743 C2	November 20, 2002		000	A01N043/88
US 6509343 B1	January 21, 2003		000	A01N055/02

6303598 B1 , US 6372737 B1 INT-CL (IPC): A01 N 0/00; A01 N 43/40; A01 N 43/54; A01 N 43/64; A01 N 43/88; A01 N 55/02; A61 K 31/515; A61 K 31/535; A61 K 31/555; A01 N 35:06; A01 N 37:22; A01 N 37:24; A01 N 37:50; A01 N 43/88; A01 N 43:30; A01 N 43:36; A01 N 43:40; A01 N 43:54; A01 N 43:653; A01 N 43:84; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 47:44; A01 N 51:00; A01 N 53:00; A01 N 55:02; A01 N 57:12; A01 N 43/88; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 47:44; A01 N 51:00; A01 N 53:00; A01 N 55:02; A01 N 57:12; A01 N 43/88; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 47:44; A01 N 51:00; A01 N 53:00; A01 N 55:02; A01 N 57:12; A01 N 37:22; A01 N 37:24; A01 N 37:50; A01 N 43/88; A01 N 43:30; A01 N 43:36; A01 N 43:40; A01 N 43:54; A01 N 43:653; A01 N 43:84; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 47:44; A01 N 51:00; A01 N 53:00; A01 N 55:02; A01 N 57:12; A01 N 35:06; A01 N 37:22; A01 N 37:24; A01 N 37:50; A01 N 43/88; A01 N 43:30; A01 N 43:36; A01 N 43:40; A01 N 43:54; A01 N 43:653; A01 N 43:84; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 53:12; A01 N 55:02; A01 N 57:12; A01 N 35:06; A01 N 37:22; A01 N 37:24; A01 N 37:50; A01 N 43/88; A01 N 43:30; A01 N 43:36; A01 N 43:40; A01 N 43:54; A01 N 43:653; A01 N 43:84; A01 N 47:04; A01 N 47:12; A01 N 47:30; A01 N 47:34; A01 N 47:44; A01 N 51:00; A01 N 53:00; A01 N 55:02; A01 N 57:12

ABSTRACTED-PUB-NO: DE 19739982A
BASIC-ABSTRACT:

An active agent combination comprises:

(A) 4-(2-chlorophenoxy)-5-fluoro-6-(2-((5,6-dihydro-1,4,2-oxadiazin-3-yl)(-methoxyimino)methyl)-phenoxy)-pyrimidine of formula (I), and

(B) at least 1 of antracol (propineb), euparen (dichlofluanid), euparen M (tolylfluanid), bitertanol, tebuconazole (II), triadimefon, triadimenol, imidacloprid, sumisclex, mancozeb, folpet (phaltan), dimetomorph, cymoxanil, metalaxyl, aliette (fosetyl-Al), famoxadone, pyrimethanil, cyprodinyl, mepanipyrim, kresoximmethyl, azoxystrobin, epoxiconazole, metconazole, fluquinconazole, fludioxonil, fenpiclonil, guazatine, bion, (2-methyl-1(((1-(4-methylphenyl)ethyl)amino)carbonyl)-propyl)-carboxylic acid 1-methylethyl ester, 8-t-butyl-2-(N-ethyl-N-n-propyl-amino)-methyl-1-,4-dioxa-spiro-(5,4)-decane, 2,3-dichloro-4-(1-methylcyclohexylcarbonylami- no)-phenol, N-(R)-(1-(4-chlorophenyl)-ethyl)-2,2-dichloro-1-ethyl-3t-methy-1-1r-cyclopropane-carboxamide, fluazinam, captan, monceren (pencycuron) and fenipiclonil.

The weight ratio of (A) to (B) is preferably 1:0.01-50.

USE - The combination is a fungicide (claimed), useful for protecting plants against pathogenic fungi such as Plasmodio phoromyces, Oomycetes, Chytridiomyces, Zygomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes. It is especially effective against cereal diseases (e.g. Erysiphe, Cochliobolus, Pyrenophora, Rhynchsporium, Septoria, Fusarium Pseudocercosporella or Leptosphaeria); and fungal infections of other crops such as vines, orchards or vegetables (e.g. Phytophthora, Plasmopara, Pythium, Sphaerotheca, Uncinula, Venturia, Alternaria, Rhizoctonia, Botrytis, Sclerotinia or Sclerotium).

The combination is applied to foliage at a concentration of 1-0.0001 (preferably 0.5-0.001) %, to soil at a concentration of 0.00001-0.1 (preferably 0.0001-0.001) % or to seeds at 0.001-50 (preferably 0.01-10) g/kg.

ADVANTAGE - (A) and (B) have a synergistic fungicidal effect, so that the effect of the known fungicide (I) (described in DE 19602095) at low application rates is improved. The combination has very strong fungicidal activity and good plant compatibility.
ABSTRACTED-PUB-NO:

US 6191128B EQUIVALENT-ABSTRACTS:

An active agent combination comprises:

(A) 4-(2-chlorophenoxy)-5-fluoro-6-(2-((5,6-dihydro-1,4,2-oxadiazin-3-yl)(-methoxyimino)methyl)-phenoxy)-pyrimidine of formula (I), and

(B) at least 1 of antracol (propineb), euparen (dichlofluanid), euparen M (tolylfluanid), bitertanol, tebuconazole (II), triadimefon, triadimenol, imidacloprid, sumisclex, mancozeb, folpet (phaltan), dimetomorph, cymoxanil, metalaxyl, aliette (fosetyl-Al), famoxadone, pyrimethanil, cyprodinyl, mepanipyrim, kresoximmethyl, azoxystrobin, epoxiconazole, metconazole, fluquinconazole, fludioxonil, fenpiclonil, guazatine, bion, (2-methyl-1(((1-(4-methylphenyl)ethyl)amino)carbonyl)-propyl)-carboxylic acid 1-methylethyl ester, 8-t-butyl-2-(N-ethyl-N-n-propyl-amino)-methyl-1-,4-dioxa-spiro-(5,4)-decane, 2,3-dichloro-4-(1-methylcyclohexylcarbonylami- no)-phenol, N-(R)-(1-(4-chlorophenyl)-ethyl)-2,2-dichloro-1-ethyl-3t-methy-1-1r-cyclopropane-carboxamide, fluazinam, captan, monceren (pencycuron) and fenipiclonil.

The weight ratio of (A) to (B) is preferably 1:0.01-50.

USE - The combination is a fungicide (claimed), useful for protecting plants against pathogenic fungi such as Plasmodio phoromyces, Oomycetes, Chytridiomyces, Zygomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes. It is especially effective against cereal diseases (e.g. Erysiphe, Cochliobolus, Pyrenophora, Rhynchsporium, Septoria, Fusarium Pseudocercosporella or Leptosphaeria); and fungal infections of other crops

such as vines, orchards or vegetables (e.g. Phytophthora, Plasmopara, Pythium, Sphaerotheca, Uncinula, Venturia, Alternaria, Rhizoctonia, Botrytis, Sclerotinia or Sclerotium).

The combination is applied to foliage at a concentration of 1-0.0001 (preferably 0.5-0.001) %, to soil at a concentration of 0.00001-0.1 (preferably 0.0001-0.001) % or to seeds at 0.001-50 (preferably 0.01-10) g/kg.

ADVANTAGE - (A) and (B) have a synergistic fungicidal effect, so that the effect of the known fungicide (I) (described in DE 19602095) at low application rates is improved. The combination has very strong fungicidal activity and good plant compatibility.

US 6303598B

An active agent combination comprises:

(A) 4-(2-chlorophenoxy)-5-fluoro-6-(2-((5,6-dihydro-1,4,2-oxadiazin-3-yl)(-methoxyimino)methyl)-phenoxy)-pyrimidine of formula (I), and

(B) at least 1 of antracol (propineb), euparen (dichlofluanid), euparen M (tolylfluanid), bitertanol, tebuconazole (II), triadimefon, triadimenol, imidacloprid, sumisclex, mancozeb, folpet (phaltan), dimetomorph, cymoxanil, metalaxyl, aliette (fosetyl-Al), famoxadone, pyrimethanil, cyprodinyl, mepanipyrim, kresoximmethyl, azoxystrobin, epoxiconazole, metconazole, fluquinconazole, fludioxonil, fenpiclonil, guazatine, bion, (2-methyl-1(((1-(4-methylphenyl)ethyl)amino)carbonyl)-propyl)-carboxylic acid 1-methylethyl ester, 8-t-butyl-2-(N-ethyl-N-n-propyl-amino)-methyl-1-,4-dioxa-spiro-(5,4)-decane, 2,3-dichloro-4-(1-methylcyclohexylcarbonylami- no)-phenol, N-(R)-(1-(4-chlorophenyl)-ethyl)-2,2-dichloro-1-ethyl-3t-methy-1-1r-cyclopropane-carboxamide, fluazinam, captan, monceren (pencycuron) and fenipiclonil.

The weight ratio of (A) to (B) is preferably 1:0.01-50.

USE - The combination is a fungicide (claimed), useful for protecting plants against pathogenic fungi such as Plasmodio phoromyces, Oomycetes, Chytridiomyces, Zygomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes. It is especially effective against cereal diseases (e.g. Erysiphe, Cochliobolus, Pyrenophora, Rhynchsporium, Septoria, Fusarium Pseudocercosporella or Leptosphaeria); and fungal infections of other crops such as vines, orchards or vegetables (e.g. Phytophthora, Plasmopara, Pythium, Sphaerotheca, Uncinula, Venturia, Alternaria, Rhizoctonia, Botrytis, Sclerotinia or Sclerotium).

The combination is applied to foliage at a concentration of 1-0.0001 (preferably 0.5-0.001) %, to soil at a concentration of 0.00001-0.1 (preferably 0.0001-0.001) % or to seeds at 0.001-50 (preferably 0.01-10) g/kg.

ADVANTAGE - (A) and (B) have a synergistic fungicidal effect, so that the effect of the known fungicide (I) (described in DE 19602095) at low application rates is improved. The combination has very strong fungicidal activity and good plant compatibility.

US 6372737B

An active agent combination comprises:

(A) 4-(2-chlorophenoxy)-5-fluoro-6-(2-((5,6-dihydro-1,4,2-oxadiazin-3-yl)(-methoxyimino)methyl)-phenoxy)-pyrimidine of formula (I), and

(B) at least 1 of antracol (propineb), euparen (dichlofluanid), euparen M (tolylfluanid), bitertanol, tebuconazole (II), triadimefon, triadimenol, imidacloprid, sumisclex, mancozeb, folpet (phaltan), dimetomorph, cymoxanil, metalaxyl, aliette (fosetyl-Al), famoxadone, pyrimethanil, cyprodinyl, mepanipyrim, kresoximmethyl, azoxystrobin, epoxiconazole, metconazole, fluquinconazole, fludioxonil, fenpiclonil, guazatine, bion, (2-methyl-1(((1-(4-methylphenyl)ethyl)amino)carbonyl)-propyl)-carboxylic acid 1-methylethyl ester, 8-t-butyl-2-(N-ethyl-N-n-propyl-amino)-methyl-1-,4-dioxa-spiro-(5,4)-decane, 2,3-dichloro-4-(1-methylcyclohexylcarbonylami- no)-phenol, N-(R)-(1-(4-chlorophenyl)-ethyl)-2,2-dichloro-1-ethyl-3t-methy-1-1r-cyclopropane-carboxamide, fluazinam, captan, monceren (pencycuron) and

fenipiclonil.

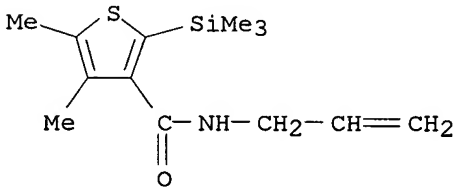
The weight ratio of (A) to (B) is preferably 1:0.01-50.

USE - The combination is a fungicide (claimed), useful for protecting plants against pathogenic fungi such as Plasmodio phoromyces, Oomycetes, Chytridiomyces, Zygomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes. It is especially effective against cereal diseases (e.g. Erysiphe, Cochliobolus, Pyrenophora, Rhynchsporium, Septoria, Fusarium Pseudocercosporella or Leptosphaeria); and fungal infections of other crops such as vines, orchards or vegetables (e.g. Phytophthora, Plasmopara, Pythium, Sphaerotheca, Uncinula, Venturia, Alternaria, Rhizoctonia, Botrytis, Sclerotinia or Sclerotium).

The combination is applied to foliage at a concentration of 1-0.0001 (preferably 0.5-0.001) %, to soil at a concentration of 0.00001-0.1 (preferably 0.0001-0.001) % or to seeds at 0.001-50 (preferably 0.01-10) g/kg.

ADVANTAGE - (A) and (B) have a synergistic fungicidal effect, so that the effect of the known fungicide (I) (described in DE 19602095) at low application rates is improved. The combination has very strong fungicidal activity and good plant compatibility.

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 175217-20-6 REGISTRY
CN 3-Thiophenecarboxamide, 4,5-dimethyl-N-2-propenyl-2-(trimethylsilyl)-
(9CI) (CA INDEX NAME)
OTHER NAMES:
CN Latitude
CN MON 65500
CN N-Allyl-4,5-dimethyl-2-trimethylsilylthiophene-3-carboxamide
CN Silthiofam
CN **Silthiopham**
FS 3D CONCORD
MF C13 H21 N O S Si
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CBNB, TOXCENTER, USPAT2,
USPATFULL

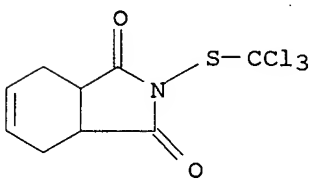


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

26 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
26 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 133-06-2 REGISTRY
CN 1H-Isoindole-1,3(2H)-dione,
3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4-Cyclohexene-1,2-dicarboximide, N-[(trichloromethyl)thio]- (8CI)
OTHER NAMES:
CN Aacaptan
CN Amercide
CN Bangtan
CN Bangton
CN Buvisild K
CN Captab
CN Captadin
CN Captaf
CN Captaf 85W
CN **Captan**
CN Captan 50W
CN Captex
CN Deltan
CN Esso fungicide 406

CN Flit 406
CN Fungus Ban Type II
CN Glyodex 37-22
CN Hexacap
CN Kaptan
CN Kaptazor
CN Malipur
CN Merpan
CN Micro-Check 12
CN N-Trichloromethylmercapto-4-cyclohexene-1,2-dicarboximide
CN N-Trichloromethylthio-3a,4,7,7a-tetrahydrophthalimide
CN N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide
CN N-[(Trichloromethyl)thio]-.DELTA.4-tetrahydrophthalimide
CN N-[(Trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide
CN N-[(Trichloromethyl)thio]tetrahydrophthalimide
CN Neracid
CN Orthocide
CN Orthocide 406
CN Orthocide 50
CN Orthocide 7.5
CN Orthocide 75
CN Orthocide 75W
CN Orthocide 83
CN Orthocide 83RP
CN Orthocide S 50
CN Osocide
CN Radocaptan
CN Rallis captaf
CN SR 406
CN Stauffer captan
CN Trimegol
CN Ugecap
CN Ugecap 83
CN Vancide 89
CN Vancide 89RE
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY
FS 3D CONCORD
DR 1321-42-2, 120528-25-8, 37335-15-2
MF C9 H8 Cl3 N O2 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4525 REFERENCES IN FILE CA (1957 TO DATE)

44 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4527 REFERENCES IN FILE CAPLUS (1957 TO DATE)
39 REFERENCES IN FILE CAOLD (PRIOR TO 1967)